

**Amendments to the Claims**

Please cancel Claims 1-4, 12 and 13. The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing**

Claims 1-4. (Cancelled)

5. (Original) A method for the treatment of a functional bowel disorder in a patient suffering therefrom, which comprises administering to the patient an effective amount of 4-(2-fluorophenyl)-6-methyl-2-(1-piperazinyl)thieno[2,3-D]pyrimidine or a salt thereof.
6. (Original) The method according to claim 5, wherein the salt is the hydrochloride monohydrate.
7. (Original) The method according to claim 5, wherein the disorder is irritable bowel syndrome.
8. (Original) The method according to claim 7, wherein the disorder is diarrhea-predominant irritable bowel syndrome.
9. (Original) The method according to claim 8, wherein the patient is female.
10. (Original) The method according to claim 7, wherein the disorder is alternating constipation/diarrhea irritable bowel syndrome.
11. (Original) The method according to claim 7, wherein the disorder is constipation-predominant irritable bowel syndrome.

Claims 12-13. (Cancelled)